

Salt Ponds Watershed Action Plan 2001 - 2004 Progress Report for June 2002									
	LEGEND:								
	COMPLETED	Completed action or ongoing activity that has resulted in tangible results.							
	ON-TRACK	Ongoing or in-progress action that is currently on track.							
	DELAYED	Ongoing activity that experienced a delay of some sort but continues to move forward.							
	NO LEAD	Action that has not begun because no agency or group has taken the lead on the action.							
	NO ACTION	Action that was not completed and currently shows no action.							
TOPIC: Water Quality									
Objective 1: Restore the Green Hill and Ninigret Pond including (Teal Pond and Factory Pond Streams)									
Activity	Action	Responsible Parties	Funding Source	Time period	Status	Focus Area	Contact Person	Contact Phone	Contact Email
Strategy 1.1: Complete water quality restoration plans (TMDLs) to address elevated bacteria concentrations for Green Hill and Ninigret Pond including (Teal Pond and Factory Pond Streams) and implement the plan's recommended strategies.									
1.1.1	Develop pathogen TMDL's for study area.	RIDEM	RIDEM, EPA	Completed by January 2002	Draft completed.	Green Hill and Ninigret Ponds	Veronica Masson, Chris Turner	222-4700x7274, 222-4700x7229	vmasson@dem.state.ni.us , cturner@dem.state.ni.us
1.1.2	Water quality monitoring to include 3 dry weather surveys and 1 wet weather survey.	RIDEM	RIDEM, EPA	Summer/Fall 2001	Completed.	Green Hill and Ninigret Ponds	Veronica Masson, Chris Turner	222-4700x7274, 222-4700x7229	vmasson@dem.state.ni.us , cturner@dem.state.ni.us
1.1.3	Conduct Bacterial Source Identification to determine source (human vs. non-human) of fecal coliform.	RIDEM	RIDEM, EPA	Summer/Fall 2002	Contract with private investigator in negotiations.	Green Hill and Ninigret Ponds	Veronica Masson, Chris Turner	222-4700x7274, 222-4700x7229	vmasson@dem.state.ni.us , cturner@dem.state.ni.us
Objective 2: Establish sustainable, onsite wastewater management programs for the Green Hill Pond watershed.									
Strategy 2.1: Implement a planned approach to watershed-based, on-site wastewater management.									
2.1.1	Repair, upgrade or retrofit onsite wastewater systems in the towns of Charlestown and South Kingstown.	URI-CEWQ	RI CSSLP, EPA	April 1, 2000- March 31, 2004	Project Year 2 began in April	Green Hill Pond	Lorraine Joubert	401-874-4518	ljoubert@uri.edu
2.1.1	Construct up to 10 additional demonstration systems in 2001-2002.	URI-CEWQ	EPA	April 2001 - 2002		Green Hill Pond	Lorraine Joubert	401-874-4518	ljoubert@uri.edu
2.1.2	Introduce septic system standards, inspection and installation procedures, and pump out and repair requirements tailored to each watershed.	URI-CEWQ	EPA (319) Funding for wwmgt plans was 319; implementation is through EPA Demo project	April 1, 2000- March 31, 2004	Project Year 2 began in April	Green Hill Pond	Lorraine Joubert	401-874-4518	ljoubert@uri.edu
2.1.2	Recommend treatment standards for Green Hill; conduct neighborhood repair feasibility study.	URI-CEWQ	EPA (319)	April 2001 - 2002		Green Hill Pond	Lorraine Joubert	401-874-4518	ljoubert@uri.edu
2.1.2	Accelerate inspections in priority areas with student support.	URI-CEWQ	EPA (319)	April 2001 - 2002		Green Hill Pond	Lorraine Joubert	401-874-4518	ljoubert@uri.edu
2.1.3	Develop monitoring procedures that measure the impact of the upgraded systems on ground and surface water quality.	URI-CEWQ	EPA (319)	April 1, 2000- March 31, 2004	Project Year 2 began in April	Green Hill Pond	Lorraine Joubert	401-874-4518	ljoubert@uri.edu
2.1.3	Continued system performance and water quality monitoring.	URI-CEWQ	EPA ww demo project	April 1, 2000- March 31, 2004	Project Year 2 began in April	Green Hill Pond	Lorraine Joubert	401-874-4518	ljoubert@uri.edu
2.1.4	Provide educational materials for local audiences.	URI-CEWQ	EPA (319)	April 1, 2000- March 31, 2004	Project Year 2 began in April	Green Hill Pond	Lorraine Joubert	401-874-4518	ljoubert@uri.edu

2.1.4	Expand public education to support South Kingstown ordinance adoption.	URI-CEWQ, CRMC	EPA	April 2001 - 2002		Green Hill Pond	Lorraine Joubert	401-874-4518	ljoubert@uri.edu
2.1.5	Training and technical support for town staff and others.	URI-CEWQ, CRMC	EPA	April 2001 - 2002		Green Hill Pond	Lorraine Joubert	401-874-4518	ljoubert@uri.edu
Objective 3: Create and implement a cost effective, efficient water quality monitoring strategy for the Salt Ponds.									
Strategy 3.1: Identify and allocate water quality monitoring resources (e.g. Pond Watcher Program) to provide most efficiently the information that will be most useful in pollution prevention and enforcement									
3.1.1	Convene a committee to design a targeted water quality monitoring strategy for the Salt Ponds that is realistic given available resources and ongoing efforts, such as the Pond Watchers.	Salt Ponds Coalition, CRMC		2002	Water quality monitoring action team continues to meet on on-need basis. Action Plan for volunteer monitoring is needed.	Salt Ponds	Vic Dvorak	(401) 322-3068	saltpondscoalition@hotmail.com
3.1.1	Compile and review existing PondWatcher water quality data as a baseline for planning future monitoring activities.	Committee: RIDEM, URI-CEWQ, Salt Ponds Coalition, CRMC, USGS, towns		Fall - Winter 2001	Completed.	Salt Ponds	Vic Dvorak	(401) 322-3068	saltpondscoalition@hotmail.com
3.1.3	Assign responsibility for the highest priority sampling areas as designated by the TMDL.	Committee: RIDEM, URI-CEWQ, CRMC, Salt Ponds Coalition, USGS, towns	n/a	2002	Pondwatchers assigned to appropriate locations.	Salt Ponds	Vic Dvorak	(401) 322-3069	saltpondscoalition@hotmail.com
3.1.4	Sample, analyze, interpret and report results on a website in a timely fashion.	Committee: RIDEM, URI-CEWQ, EPA, Salt Ponds, USGS, towns	RIDEM, URI, EPA	Sampling will continue indefinitely.	New activity	Salt Ponds	Dependent on results of monitoring.		
3.1.5	Where results demonstrate a water quality impact, report directly to the agency with responsibility for remediation.	RIDEM, URI-CEWQ, Salt Ponds, USGS, CRMC, towns, RIDOT	various			Salt Ponds	Dependent on results of monitoring.		
Strategy 3.2: Begin development of TMDL (water quality restoration plan) for Pt. Judith Pond.									
3.2.1	Conduct dry and wet weather sampling to determine potential pollution sources to Pt. Judith Pond.	RIDEM, Salt Ponds Coalition, Town of Narragansett and S.K.	RIDEM		Begin 2002	Pt. Judith Pond	Brandon Faneuf	222-2306x7420	bfaneuf@dem.state.ri.us
Objective 4: Ensure safe and adequate drinking water for residents in the Salt Ponds region.									
Strategy 4.1: Increase public awareness about groundwater and the protection of groundwater quality.									
4.1.1	Towns establish and coordinate guidelines/ordinances to establish well water quality standards and periodic testing to insure proper quality.	Towns of Westerly, Charlestown and South Kingstown, Salt Ponds Coalition, RIDEM	319		New activity		Roger Pease (Charlestown)		
4.1.2	Educate all well users and the public to understand water recycling, the importance of septic system maintenance and its relationship to water quality of well water.	Towns of Charlestown and South Kingstown, Salt Ponds Coalition, RIDEM, URICE	BIGHP demo project		Septic system /well protection workshops are ongoing under ww demo project 319	Green Hill Pond	Lorraine Joubert	401-874-4518	ljoubert@uri.edu

Objective 5: Restore once productive, now**Strategy 5.1:** Using different combinations of dredging, planting and seeding at each established restoration site to capture sediments, plant eelgrass and restore habitat.

<i>Activity</i>	<i>Action</i>	<i>Responsible Parties</i>	<i>Funding Source</i>	<i>Time period</i>	<i>Status</i>	<i>Focus Area</i>	<i>Contact Person</i>	<i>Contact Phone</i>	<i>Contact Email</i>
5.1.1	Reconnaissance Phase- Determine that selective dredging and planting will have a beneficial effect on tidal delta habitats and fish passage will benefit anadromous fish.	ACOE, CRMC, RIDEM, URI/GSO, URI Geology and Natural Resource Sciences	ACOE, CRMC, RIDEM, Westerly, Charlestown, South Kingstown	Completed in June 1998	Complete	Ninigret, Quonochontaug and Winnapaug Ponds	Jeff Willis, CRMC	401-783-3370	j.willis@crmc.state.ri.us
5.1.2	Feasibility Phase- Study all aspects of tidal delta evolution and habitat alteration, the value of present habitats and the impacts those restoration alternatives might have on these existing habitats. Selection of areas to be restored and alternatives to be used will be determined in this phase. Fish passage engineering designs will be completed.	ACOE, CRMC, RIDEM, URI/GSO, URI Geology and Natural Resource Sciences	ACOE, CRMC, RIDEM, Westerly, Charlestown, South Kingstown	Completed Summer 2000	Complete	Ninigret, Quonochontaug and Winnapaug Ponds	Jeff Willis, CRMC	401-783-3370	j.willis@crmc.state.ri.us
5.1.3	Restoration Phase- Restoration will begin at sites determined in earlier phases. The state must commit funding for a long-term breachway maintenance plan before any restoration work begins.	ACOE, CRMC, RIDEM, URI/GSO, URI Geology and Natural Resource Sciences	ACOE, CRMC, RIDEM, Westerly, Charlestown, South Kingstown	Restoration phase will take about 2 years to complete.	Start Date ???	Ninigret, Quonochontaug and Winnapaug Ponds	Jeff Willis, CRMC	401-783-3370	j.willis@crmc.state.ri.us